

**CLAIM AMENDMENTS**

Claims 1-20 (cancelled).

Claim 21 (new): A safety lighter, comprising:

a lighter body comprising a casing defining a liquefied gas chamber for containing a predetermined volume of liquefied gas therein;

a supporting frame having an outer sealing surface sealedly attached with an inner surface of said casing;

a gas emitting nozzle mounted on said supporting frame to communicate with said liquefied gas chamber for emitting said gas from said liquefied gas chamber in a controlled manner;

an ignition device supported by said supporting frame for igniting said gas emitted from said gas emitting nozzle; and

a sealing arrangement comprising upper and lower sealing rims spacedly and integrally provided along an opening portion of said inner surface of said casing in a continuous step-shoulders shape wherein said upper and lower sealing rims are sealedly attached with said outer sealing surface of said supporting frame to form two sealing lines along said upper and lower sealing rims respectively to sealedly mount said supporting frame on said lighter body for sealedly retaining said liquefied gas within said liquefied gas chamber, wherein said outer sealing surface of said supporting frame is an inclined surface that substantially attaches with said upper and lower sealing rims at the same time to form said sealing lines respectively to sealedly mount said supporting frame on said lighter body.

Claim 22 (new): The safety lighter, as recited in claim 21, wherein said lighter body further comprises a reinforcing wall affixed between two inner walls of said casing to divide said liquefied gas chamber into two compartments, wherein said reinforcing wall is upwardly extended towards said opening portion of said casing to define a communication cavity between said reinforcing wall and said supporting frame to communicate between said two compartments, wherein said reinforcing wall has a top

edge having a U-shape formed between said two inner walls of said casing within said communication cavity to strengthen said casing at said communication cavity.

Claim 23 (new): The safety lighter, as recited in claim 22, wherein two sides of said top edge of said reinforcing wall are upwardly extended along said two inner walls of said casing respectively towards said lower sealing rim to increase a thickness of said casing at said communication cavity.

Claim 24 (new): A safety lighter, comprising:

a lighter body comprising a casing defining a liquefied gas chamber for containing a predetermined volume of liquefied gas therein;

a supporting frame having an outer sealing surface sealedly attached with an inner surface of said casing;

a gas emitting nozzle mounted on said supporting frame to communicate with said liquefied gas chamber for emitting said gas from said liquefied gas chamber in a controlled manner;

an ignition device supported by said supporting frame for igniting said gas emitted from said gas emitting nozzle; and

a sealing arrangement comprising upper and lower sealing rims spacedly and integrally provided along an opening portion of said inner surface of said casing in a continuous step-shoulders shape wherein said upper and lower sealing rims are sealedly attached with said outer sealing surface of said supporting frame to form two sealing lines along said upper and lower sealing rims respectively to sealedly mount said supporting frame on said lighter body for sealedly retaining said liquefied gas within said liquefied gas chamber, wherein each of said upper and lower sealing rims is integrally formed around said opening portion of said inner surface of said casing in said step-shoulders shape by physically reducing a thickness of said opening portion of said casing, wherein said outer sealing surface of said supporting frame is an inclined surface that substantially attaches with said upper and lower sealing rims at the same time to form said sealing lines respectively to sealedly mount said supporting frame on said lighter body.

Claim 25 (new): The safety lighter, as recited in claim 24, wherein said lighter body further comprises a reinforcing wall affixed between two inner walls of said casing to divide said liquefied gas chamber into two compartments, wherein said reinforcing wall is upwardly extended towards said opening portion of said casing to define a communication cavity between said reinforcing wall and said supporting frame to communicate between said two compartments, wherein said reinforcing wall has a top edge having a U-shape formed between said two inner walls of said casing within said communication cavity to strengthen said casing at said communication cavity.

Claim 26 (new): The safety lighter, as recited in claim 25, wherein two sides of said top edge of said reinforcing wall are upwardly extended along said two inner walls of said casing respectively towards said lower sealing rim to increase a thickness of said casing at said communication cavity.

Claim 27 (new): The safety lighter, as recited in claim 24, wherein said sealing arrangement further comprises two sealing rings spacedly and coaxially mounted around said gas emitting nozzle to sealedly mount said gas emitting nozzle on said supporting frame such that said two sealing rings functions as two gas leaking barriers for preventing said liquefied gas from leaking between a connection between said gas emitting nozzle and said supporting frame.

Claim 28 (new): The safety lighter, as recited in claim 25, wherein said sealing arrangement further comprises two sealing rings spacedly and coaxially mounted around said gas emitting nozzle to sealedly mount said gas emitting nozzle on said supporting frame such that said two sealing rings functions as two gas leaking barriers for preventing said liquefied gas from leaking between a connection between said gas emitting nozzle and said supporting frame.

Claim 29 (new): The safety lighter, as recited in claim 26, wherein said sealing arrangement further comprises two sealing rings spacedly and coaxially mounted around said gas emitting nozzle to sealedly mount said gas emitting nozzle on said supporting frame such that said two sealing rings functions as two gas leaking barriers for preventing said liquefied gas from leaking between a connection between said gas emitting nozzle and said supporting frame.

Claim 30 (new): The safety lighter, as recited in claim 27, wherein said sealing arrangement further comprises two holding grooves spacedly provided around said gas emitting nozzle to respectively hold said two sealing rings around said gas emitting nozzle.

Claim 31 (new): The safety lighter, as recited in claim 28, wherein said sealing arrangement further comprises two holding grooves spacedly provided around said gas emitting nozzle to respectively hold said two sealing rings around said gas emitting nozzle.

Claim 32 (new): The safety lighter, as recited in claim 29, wherein said sealing arrangement further comprises two holding grooves spacedly provided around said gas emitting nozzle to respectively hold said two sealing rings around said gas emitting nozzle.

Claim 33 (new): A safety lighter, comprising:

a lighter body comprising a casing defining a liquefied gas chamber for containing a predetermined volume of liquefied gas therein;

a supporting frame having an outer sealing surface sealedly attached with an inner surface of said casing, wherein said lighter body further comprises a reinforcing wall affixed between two inner walls of said casing to divide said liquefied gas chamber into two compartments, wherein said reinforcing wall is upwardly extended towards said opening portion of said casing to define a communication cavity between said reinforcing wall and said supporting frame to communicate between said two compartments, wherein said reinforcing wall has a top edge having a U-shape formed between said two inner walls of said casing within said communication cavity to strengthen said casing at said communication cavity;

a gas emitting nozzle mounted on said supporting frame to communicate with said liquefied gas chamber for emitting said gas from said liquefied gas chamber in a controlled manner;

an ignition device supported by said supporting frame for igniting said gas emitted from said gas emitting nozzle; and

a sealing arrangement comprising upper and lower sealing rims spacedly and integrally provided along an opening portion of said inner surface of said casing in a continuous step-shoulders shape wherein said upper and lower sealing rims are sealedly attached with said outer sealing surface of said supporting frame to form two sealing lines along said upper and lower sealing rims respectively to sealedly mount said supporting frame on said lighter body for sealedly retaining said liquefied gas within said liquefied gas chamber.

Claim 34 (new): The safety lighter, as recited in claim 33, wherein two sides of said top edge of said reinforcing wall are upwardly extended along said two inner walls of said casing respectively towards said lower sealing rim to increase a thickness of said casing at said communication cavity.

Claim 35 (new): A safety lighter, comprising:

a lighter body comprising a casing defining a liquefied gas chamber for containing a predetermined volume of liquefied gas therein;

a supporting frame having an outer sealing surface sealedly attached with an inner surface of said casing, wherein said lighter body further comprises a reinforcing wall affixed between two inner walls of said casing to divide said liquefied gas chamber into two compartments, wherein said reinforcing wall is upwardly extended towards said opening portion of said casing to define a communication cavity between said reinforcing wall and said supporting frame to communicate between said two compartments, wherein said reinforcing wall has a top edge having a U-shape formed between said two inner walls of said casing within said communication cavity to strengthen said casing at said communication cavity;

a gas emitting nozzle mounted on said supporting frame to communicate with said liquefied gas chamber for emitting said gas from said liquefied gas chamber in a controlled manner;

an ignition device supported by said supporting frame for igniting said gas emitted from said gas emitting nozzle; and

a sealing arrangement comprising upper and lower sealing rims spacedly and integrally provided along an opening portion of said inner surface of said casing in a continuous step-shoulders shape wherein said upper and lower sealing rims are sealedly attached with said outer sealing surface of said supporting frame to form two sealing lines along said upper and lower sealing rims respectively to sealedly mount said supporting frame on said lighter body for sealedly retaining said liquefied gas within said liquefied gas chamber, wherein each of said upper and lower sealing rims is integrally formed around said opening portion of said inner surface of said casing in said step-shoulders shape by physically reducing a thickness of said opening portion of said casing.

Claim 36 (new): The safety lighter, as recited in claim 35, wherein two sides of said top edge of said reinforcing wall are upwardly extended along said two inner walls of said casing respectively towards said lower sealing rim to increase a thickness of said casing at said communication cavity.